

15T Short Cooling Lattice

This Lattice is

- simpler: it has only the central 15 T coil and the bucked pair of coils for field reversal.
- The spaces at the end of the 15T coils are open for access to the hydrogen.
- The coil blocks are here approximated by three radial layers of sheets. In earlier lattices I had cut the number of layers down for speed - but it was not so good an approximation, and dangerous now that we realize how light the tolerances are.
- works better.

	len1	dl	rad	dr	I/A
	m	m	m	m	A/mm ²
The coil blocks are:	0.000	0.150	0.100	0.080	45.49
	0.150	0.100	0.100	0.120	55.25
	0.790	0.160	0.230	0.120	63.23
	0.960	0.160	0.230	0.120	-64.56
	1.520	0.100	0.100	0.120	-52.43
	1.350	0.150	0.100	0.080	-49.88

Picture

